

105D000000
 Forrest Public Well #3
 ILD 981960818
 Superfund - HRS

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 MAY 2 1988

NO REZ
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566301 - Village of Forrest

EPA	POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT		IDENTIFICATION	
	PART 1 - SITE INFORMATION AND ASSESSMENT		01 STATE IL	02 SITE NUMBER 981960818

II. SITE NAME AND LOCATION							
01 SITE NAME (Legal, common, or descriptive name of site) Forrest Public Well #3				02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER T26N-R7E, 2650 ft S and 2335 ft W of NE corner Sect 16			
03 CITY Forrest		04 STATE IL	05 ZIP CODE 61741	06 COUNTY Livingston		07 COUNTY CODE 105	08 CONG DIST 15
09 COORDINATES LATITUDE 40 44 20.0		LONGITUDE 088 24 05.0		Forrest South Quadrangle			
10 DIRECTIONS TO SITE (Starting from nearest public road) Go South on the first road West of the railroad tracks. At the point where the road ends, the well is located East of the Railroad tracks. Well #3 is the far East building.							

III. RESPONSIBLE PARTIES							
01 OWNER (if known) Village of Forrest				02 STREET (Business, mailing, residential) 202 East Krack street			
03 CITY Forrest		04 STATE IL	05 ZIP CODE 61741-9999	06 TELEPHONE NUMBER (815) 657-8226			
07 OPERATOR (if known and different from owner) Richard Haab - Supt of Public Works				08 STREET (Business, mailing, residential) 202 East Krack street			
09 CITY Forrest		10 STATE IL	11 ZIP CODE 61741-9999	12 TELEPHONE NUMBER (815) 657-8692			
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input checked="" type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN							

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CECRA 103 G) DATE RECEIVED: _____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE							
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IV. CHARACTERIZATION OF POTENTIAL HAZARD							
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>3/31/88</u> <input type="checkbox"/> NO MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)					
CONTRACTOR NAME(S): _____							

02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION <u>1926</u> <u>Present</u> <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR					
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04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Pesticides (Toxic / Persistent)							
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05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Groundwater (Population/Environment) Surface Water (Population/Environment)							
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V. PRIORITY ASSESSMENT							
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input checked="" type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition forms)							

VI. INFORMATION AVAILABLE FROM							
01 CONTACT Richard Haab		02 OF (Agency/Organization) Village of Forrest			03 TELEPHONE NUMBER (815) 657-8692		
04 PERSON RESPONSIBLE FOR ASSESSMENT Gary L. Reside		05 AGENCY IL EPA	06 ORGANIZATION Div Land Pollution Control	07 TELEPHONE NUMBER 1217 1782-6760	08 DATE <u>4/26/88</u> MONTH DAY YEAR		





POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE ILD	02 SITE NUMBER 981960818

II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 <input checked="" type="checkbox"/> A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED <u>1,854</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE <u>7-1-87</u>) 04 NARRATIVE DESCRIPTION	POTENTIAL	<input type="checkbox"/> ALLEGED
Public Well #3 is one of the two wells which supply drinking water to to villages 1,246 residents. In addition, another 160 homes are located within a three mile radius of the site and utilize the same aquifer. Samples collected from the Forrest Public Well #3 on 7-1-87 showed the presences of chlordane.			
01 <input checked="" type="checkbox"/> B SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED <u>Unknown</u>	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
The South Fork of the Vermilion river is located approximately 120 yards South of the well house. This river is used as a recreational area for both fishing and swimming by the people in the surrounding area.			
01 <input type="checkbox"/> C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED _____	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	POTENTIAL	<input type="checkbox"/> ALLEGED
Unknown			
01 <input type="checkbox"/> D FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED _____	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
Unknown			
01 <input checked="" type="checkbox"/> E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: <u>1,246</u>	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
See A and B			
01 <input checked="" type="checkbox"/> F CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: <u>Unknown</u>	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	POTENTIAL	<input checked="" type="checkbox"/> ALLEGED
Chlordane is highly persistent ^(across) in the environment because it binds tightly to the soil, migrates very slowly, is insoluble in water, and is relatively impervious to chemical and biological breakdown. Residues of chlordane have been known to persist for 10-20 years in the soil.			
01 <input checked="" type="checkbox"/> G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED <u>1,854</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE <u>7-1-87</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
See A			
01 <input type="checkbox"/> H WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
Unknown			
01 <input checked="" type="checkbox"/> I POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: <u>1,854</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE <u>7-1-84</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
See A and B			

LPC #1050000000 -- Livingston County
Forrest/Public Well #3
ILD981960818

April 26, 1988

EXECUTIVE SUMMARY

The Forrest Public Well #3 is a gravel packed, drift well which was originally drilled for the Wabash Railroad in 1926 and was acquired by the Village in 1961.

The well is located on the southeast corner of the village in a wooded area. Public Well #3 is the easternmost well of the two wells which are on the east side of the railroad tracks. The well is approximately 138 feet east of Well #2. The map coordinates are approximately 2,650 feet south and 2,335 feet west from the northeast corner of Section 10, Township 26 North, Range 7 East.

The #3 well is 104.5 feet deep and is finished in sand and gravel of the Prairie Aquigroup. The well is cased with 30 inch outer pipe from the pump house floor (about 1.5 feet above grade), to a depth of 82 feet. The 12 inch diameter inner casing extends from 1.5 feet above grade to a depth of 84.5 feet followed by 20 feet of 18 inch Layne screen. A gravel wall surrounds the screen. Below the screen are 6 feet of blank casing to a depth of 104.5 feet.

The well house is a one story, wooden frame building with a concrete floor and a composition roof. The dimensions of the building are approximately 8 feet by 8 feet by 15 feet high. There is no floor drain.

Agency samples taken at the Forrest Public Well #3 on July 1, 1987 revealed the presence of both alpha chlordane and gamma chlordane. The concentrations were 0.01 ppb and 0.013 ppb, respectively.

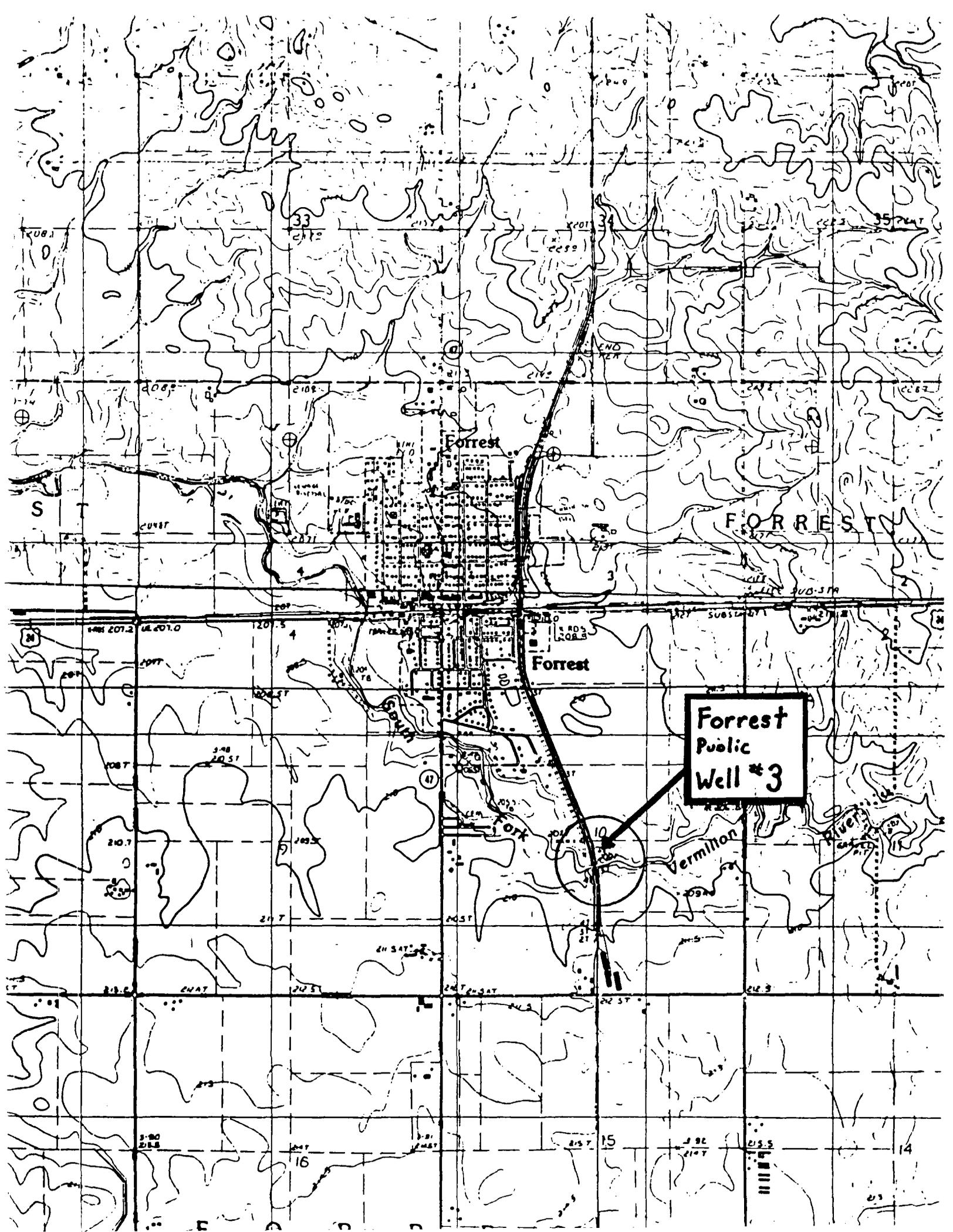
Chlordane is a broad spectrum insecticide which has been used extensively over the past 40 years for termite control, for general insect control in homes and gardens, and for control of soil insects in the production of crops such as corn. Both the uses and production volume of chlordane have decreased substantially as a result of the USEPA's Registration Suspension Notice (40 CFR 34456, August 15, 1975). This suspension forbids the use of chlordane on all food crops and for general insecticidal use around homes and gardens. However, significant commercial use of chlordane for termite control continues.

On July 1, 1987, a well head survey was conducted at the Forrest Public Well #3 by representatives of the Illinois EPA's Field Operations Section. The well head survey cited three potential sources of contamination.

A site reconnaissance was conducted on March 31, 1988 to verify previous information and to gain additional knowledge of the site. During the course of the site reconnaissance, several photographs were taken at the site and the surrounding area, and a site map was drawn which shows the location of the wells and four potential sources of contamination.

This site has been assigned a high priority ranking based upon the Hazard Ranking System (HRS) score. This score is the result of an observed release of chlordane into a public water supply.

GR:tk:4/19/18-1



Forrest
Public
Well #3

Forrest

Forrest

FORREST

Vermont

YORK

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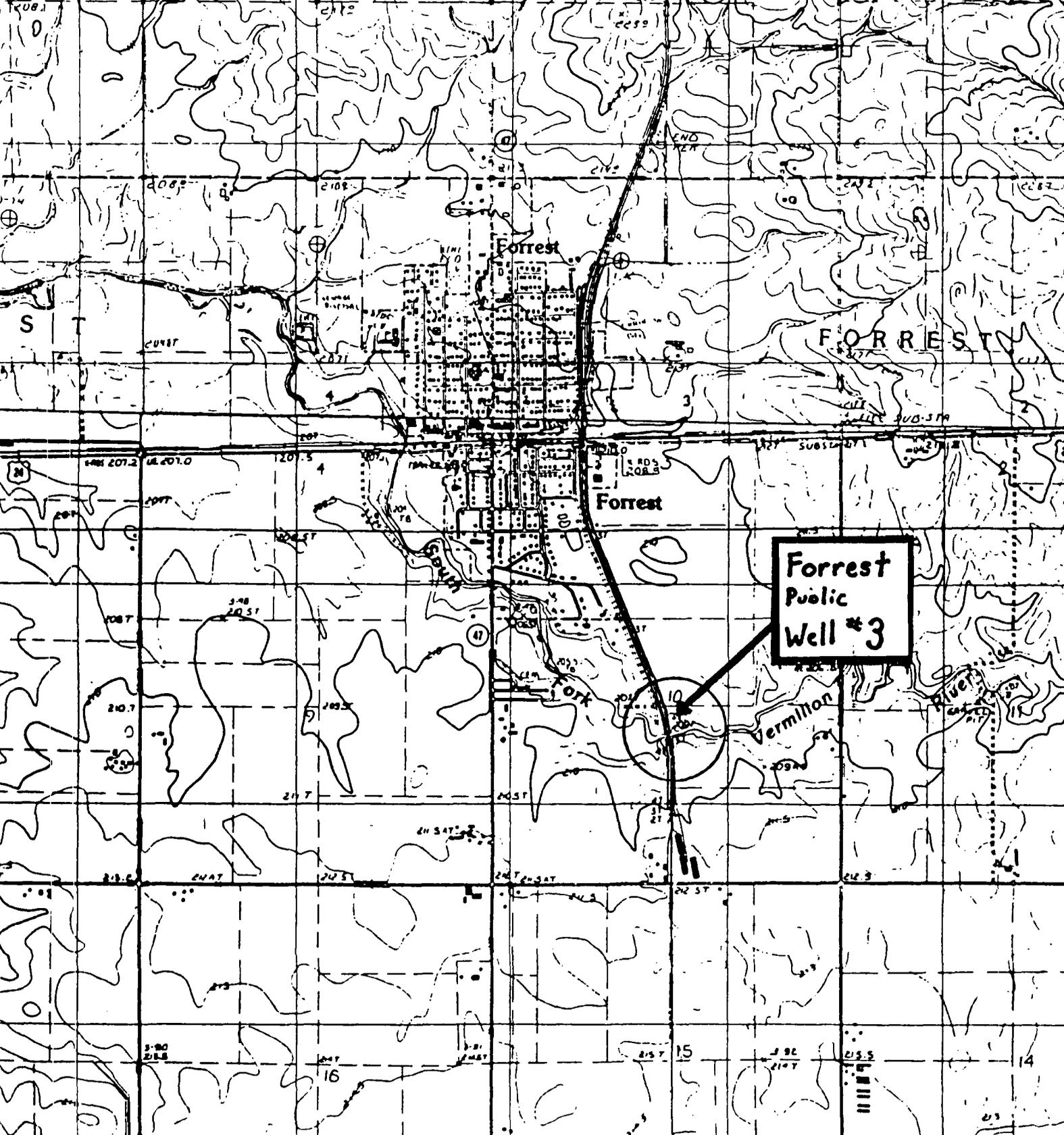
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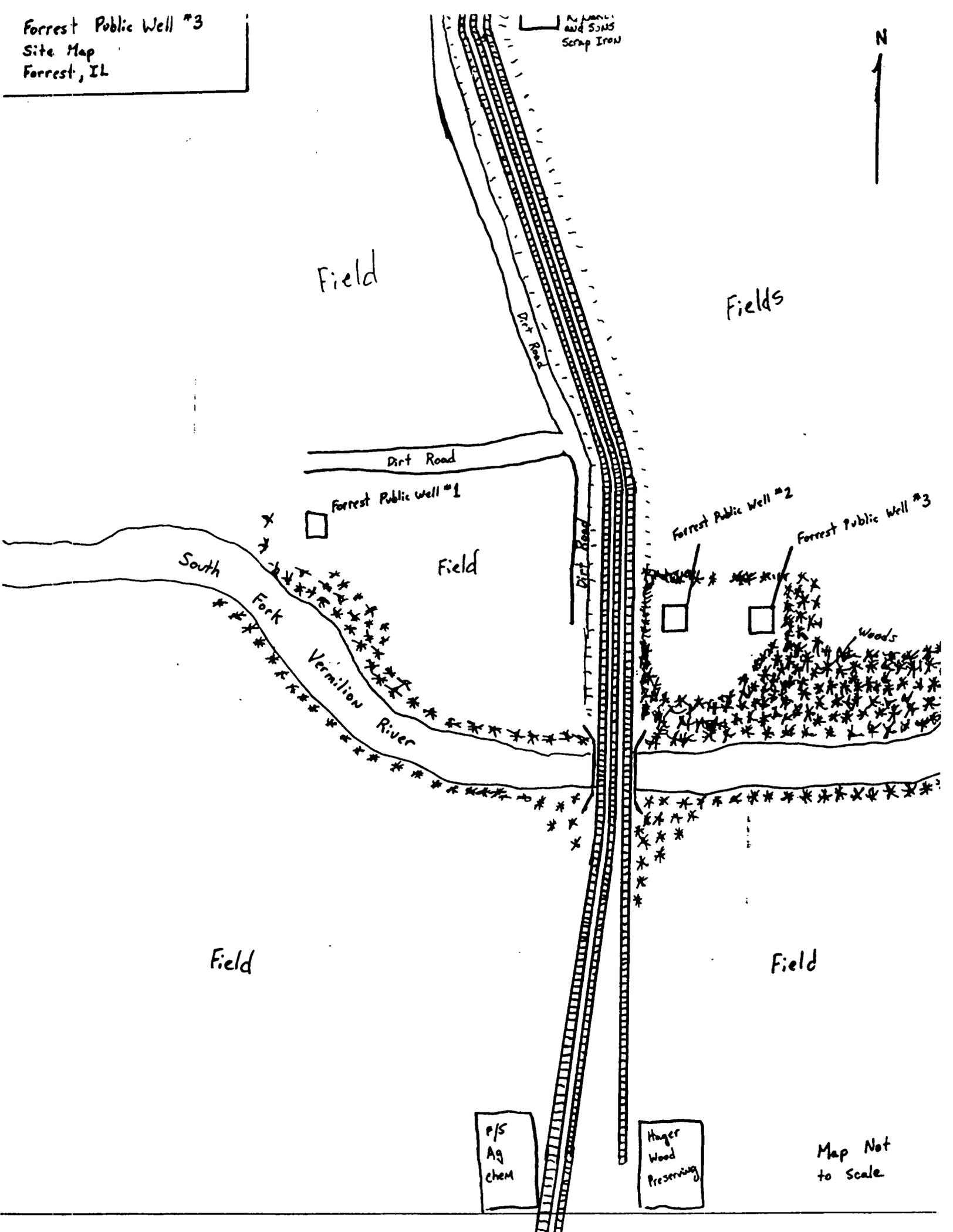
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Forrest Public Well #3
Site Map
Forrest, IL

A. J. J. and Sons
Scrap Iron



Field

Fields

Dirt Road

Forrest Public Well #1

Field

South Fork Vermilion River

Forrest Public Well #2

Forrest Public Well #3

Woods

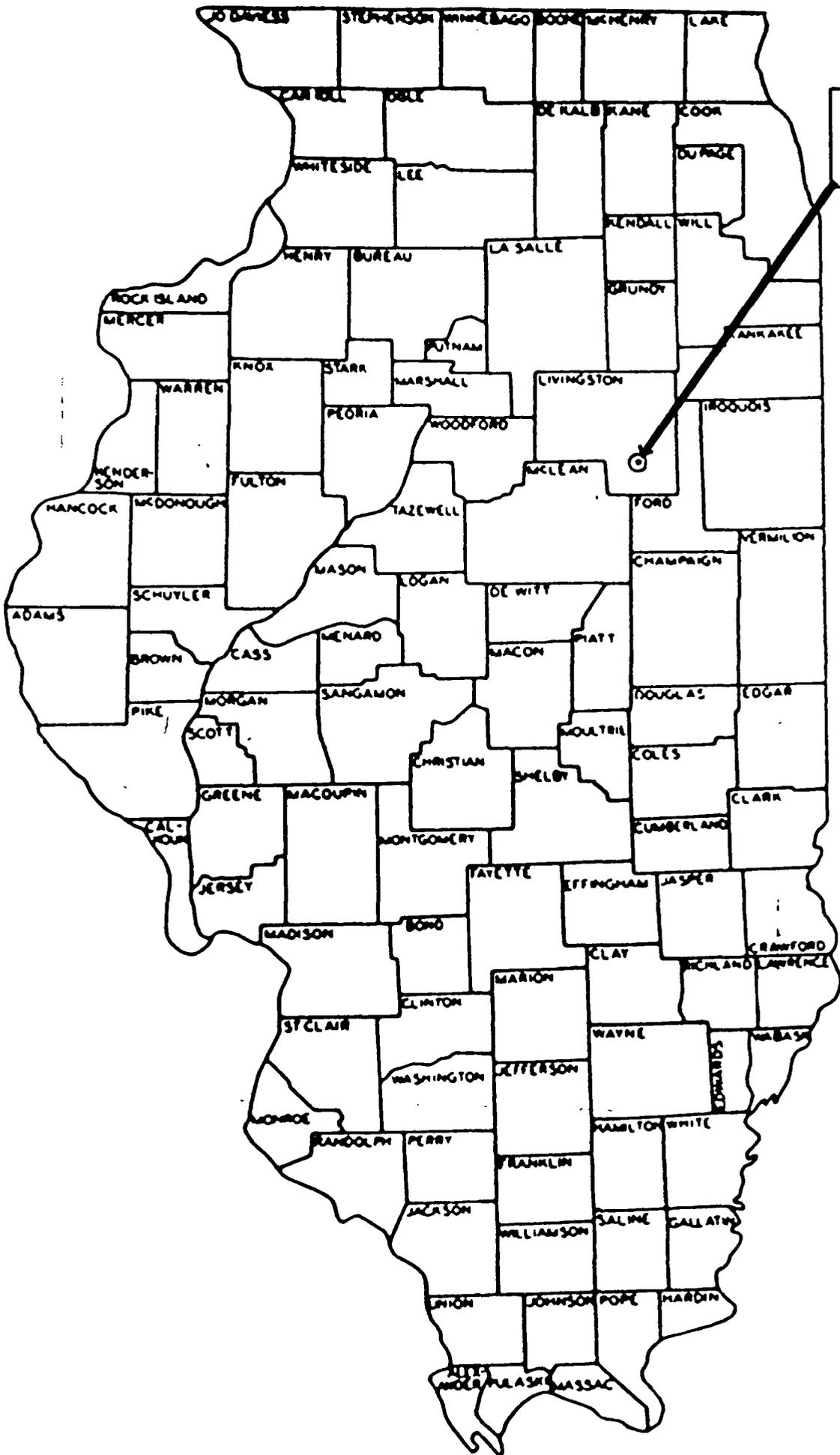
Field

Field

P/S
Ag
chem

Hager
Wood
Preserving

Map Not
to Scale



Forrest Public Well #1
Forrest, IL

Date: March 29, 1988

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N-R7E 1 Forrest

Comments: Photograph taken

toward the East.

Standing with back to Forrest

P.W. #2



Date: March 29, 1988

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N-R7E 1 Forrest

Comments: Photograph taken

toward the East

Standing on Railroad tracks

West of site



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N- R7E / Forrest

Comments: Photograph taken

toward the Northeast

standing at southwest edge of
clearing.



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

T26N- R7E Co. Livingston

Forrest Public Well #3 / Forrest

Comments: Photograph taken

toward the West

Standing on Railroad tracks West of site

Forrest Public Well #1 is on right hand
side of photo (next to telephone pole)



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N - R7E / Forrest

Comments: Photograph taken

toward the South

View of Hager Wood Preserving

South of Site.



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N - R7E / Forrest

Comments: Photograph taken

toward the East

View of F.S. Ag Chem factory and

Hager Wood Preserving, located South of
site.



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N - R7E / Forrest

Comments: Photograph taken

toward the Northeast

View of F.S. Ag Chem factory
located South of site



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N - R7E / Forrest

Comments: Photograph taken

toward the Northwest

View of Hager wood preserving
factory, south of site



Date: 3-29-88

Time: 3:30 A.M. P.M.

Photograph By:

Gary L. Reside

Location: LPC-ILD981960818

Forrest Public Well #3 Co. Livingston

T26N- R7E 1 Forrest

Comments: Photograph taken

toward the East

View of R. Baker and Sons

Scrap Iron, North of site.



Date: _____

Time: _____ A.M. P.M.

Photograph By:

Location: LPC-

Co.

Comments: Photograph taken

toward the